

HF

VHF

VOL. 2, NUMBER 5

GREATER WISCONSIN

OCTOBER 28, 1977

## the HAMATEUR

This newsletter is published monthly for the amateurs represented by the Radio Clubs listed. Reproduction, with credit given, is granted for anything appearing within the HAMATEUR. Deadline date to submit material for the month is the 5th. Publication date is the 28th.

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6-MIC....WB9OPD...Bob Pettigrew....447-1307	19/79.....WB9WFA...Scott.....291-0409

### WA9 Just Mouthing Off

ATTENTION CLUB REPORTERS: Please pay attention to your paper's format and govern your articles accordingly. Namely, start your column with your club's meeting day, date, time, place and general topic for that evening. Pay particular attention to the time of month you submit your copy—it is supposed to be in my hands by the 5th. Also, we are now providing the HAMATEUR on tape for our visually impaired Hams. I would therefore like you to submit your article typed and in duplicate—either a carbon or a photo copy.

SPECIAL NOTICE Our good friend and fellow Amateur Ed Diedrich, W9EWW, will undergo open heart surgery December 7 at St. Luke's Hospital. Ed will require 16 pints of blood during this ordeal. Those wishing to help replace this life sustaining fluid should donate same at the Milwaukee Blood Center, 1700 W. Wisconsin Ave., Milwaukee. This should be credited to the account of Edward Diedrich who will enter St. Luke's on December 4.

AMATEUR LICENSE UPGRADING Those wishing to take an upgrading Amateur Exam close to home can do so by filling out a form 610 requesting to take the exam at Milwaukee, December 22, 1977. The exams are given in room 106 of the Federal Building, 616 N. Jefferson, Milwaukee. The completed form should be sent to: FCC, 230 S. Dearborn, Chicago, Ill. 60604. Send no money. You will be notified by return mail when your appointment is slated. Remember to file at least 15 days before the above date.

TWENTY-NINTH ANNUAL GROUND HOG PARTY The Ground Hog party held October 8 in Watertown was a smashing success. Over ninety Hams and their spouses enjoyed a great meal, some fine conversation, and a most entertaining program by M.C. John La Blond, W9FZC. Teen, W9LUB, and Betty, K9GJC, as host and hostess made everyone feel welcome. The meal of Swiss steak and chicken was excellent. The highlight of the evening was the bidding on the Ground Hog Trophy with the new owner, Florence Belanger, W9WYJ, bidding the most to enjoy its company until next October. The trophy is supposed to bring its owner luck. This must be true, because the O.M., Al, W9MDG, had it all last year and Florence was determined to get it for this year. Hopefully next month's HAMATEUR will carry some snap shots of this great yearly event along with a more detailed report.

WHEN JAMMERS STRIKE From the pages of '73 the following is taken in part from an editorial by Wayne Green: One of these days, unless the laws of chance have been repealed, your repeater is going to be the target of a persistent kerchunker or a dedicated jammer. Leave the FCC alone—they are not anxious to hear from you and would prefer not to be bothered. Do it yourself and learn something. Two fellows with direction-finders can get a good idea of where the miseries are originating, and you can close in. Once you've located the jerk, you have to figure what to do about him. No, you can't do that. One technique for identification is one which examines the leading or trailing edge of a transmitter's carrier and puts it on a scope. Each rig has its own kerchunkprint. This means that when someone tries to transmit without his call, you can check out his kerchunkprint and compare that with some later time when he is just using the repeater to talk and gives his call. There are other methods of getting an identification. Put on your thinking caps and let me know so I can pass them on. Space permitting next month, I will rerun the easy to construct direction-finder along with its diagram as it appeared several months back in the HAMATEUR.

73's Larry McCalvy, WA9JMO

MEETING: (NOTE CHANGE) Tuesday, November 1, 1977, 7:30 P.M., at City of Milwaukee Emergency Operations Center, 8814 W. Lisbon Ave., Milwaukee, Wisconsin

At the invitation of Dan Gracz, Coordinator, Milwaukee City Emergency Government, our November meeting will be at the City of Milwaukee EOC at 88th and Lisbon. The EOC is in the basement of the firehouse located on the north side of Lisbon. Entrance is on the west side of the building and is marked with a sign. Enter and go directly downstairs. Parking is available on the street and on the east side of the firehouse. You can't miss the radio tower which is on the east side of the building. Mr. Gracz has invited us to tour the EOC and hear an explanation of how it operates. Because of limited seating facilities, the business portion of the meeting will be abbreviated. All hams, members or not, are invited.

The following is a checklist of items which you should consider setting aside for use in the event of a local emergency or to take with you in the event you travel to some other locality to assist in disaster recovery:

Station log	Mirror & shaving gear	Toilet paper	Food (for 3 days max.)
Message blanks	Soap, hand & laundry	Medicines as needed	Water
Carbon paper	Syphon	Alarm clock	Eating utensils
Scratch pads	Generator	Extra gas & oil	Jumper cables
Pens, pencils, eraser	Candles	Tow cable	Shovel & pick
Electric lantern	Matches in waterproof container	Portable antenna	Hatchet, ax, saw
Headphones, junction box	Maps (especially local)	Identification	First aid kit
Water purifier kit	Battery b.c. radio	Tools! (all kinds)	Flashlights
Toilet articles	Extra batteries	12 V. & 120 V. soldering irons	Sleeping bag/blankets
Towels, wash cloths	Test equipment	Spare tubes	Foul weather gear
Wash basin	Can & bottle openers	Spare fuses	Emergency operations manual

Granted, this list can be only a guideline and certain items will be added or deleted to fit the circumstances. It is, however, a good starting point. I'd like to suggest that you clip it out and place it with your ARES Emergency Operations Manual. If and when the time comes, you will have something to work from and you will, hopefully, avoid some of the pitfalls that result from depending on memory alone.

John, WB9SMM

## TRI-COUNTY AMATEUR RADIO CLUB

Our October meeting will be held Sunday, November 13, 7:30 P.M., at Trinity Lutheran Church in Fort Atkinson. Our September meeting and picnic was held in the Jefferson city park. It was a very beautiful day and the park facilities were top-notch. Frank Woltman and Al Jordan did a splendid job of running the show. WB9BJU furnished and boiled the sweet corn, which was much enjoyed by all. The food and refreshments consisted of hot and cold beverages, brats and all the trimmings, plus many tasty dishes that the XYLs furnished. All in all it was a perfect day.

Five new members have joined our club this month and they include the following: WB9QAF and Bob Church of Milton; W9RTP of Edgerton; WB9GMA and Charles Payton of Fort Atkinson who is awaiting his '9' call, having moved from the eastern U.S. Two guests, WA9ZWI and K9PSV, were also present. Al Jordan, WD9DIT, who recently got his novice license, is now a General class. Nice going, Al! We wish you much DX. 'B's K9LJM

## RACINE MEGACYCLE CLUB

The next meeting will be Monday, November 14, at 7:30 P.M. at the American Red Cross Building. Good news! Money has been appropriated for the communications equipment for the Red Cross.

K9LWT's five element quad shrunk to a three element quad due to the fact it was too heavy. Paul has plans to lighten it and next summer it could grow back to a five element job. It sure looks nice on top of his tower. Norm Hansen, WØRAN was operating from VK land during the October DX test. He now lives in Bloomington, Minn. Attention DXers! A new club is now formed in the area called GREATER MILWAUKEE D.X. ASSOCIATION. They got me QRL counting my DX QSLs.

How about a Xmas party or late New Year's party for the club. Come down to the next meeting and let's get some winter activity going. It's your club and without ideas or activity it will fall flat.

Racine now sports an auto patch repeater and it's doing a very fb job.

73 Stu, W9HI

## CMOS

One month has passed since our introduction to the Milwaukee repeater scene and a busy month it has been! The repeater is on full time now for the final smoke test and all appears well.

The CMOS group is pleased to announce the completion of the area's first Microprocessor Controlled Two-Meter Repeater. The control is centered around the National Semiconductor SC/MP unit and replaces most of the original hardware control boards. Access to the computer is achieved through a dedicated Teletype terminal which allows for "on the spot" programming and modification of the existing program. This processor is a welcome addition since it decreases the probability of control malfunction, and yet greatly increases the flexibility of the repeater control system.

On the lighter side, we were pleased to receive a visit from Dave, K9PAK, of the WAR Council. On the elevator ride down from the 12th floor site, the elevator stopped at the 11th floor and admitted three students. It then stopped at the 10th and 9th floors giving us a total of nine people in the elevator. There was plenty of room left for more, but when it stopped at the 8th floor, someone up front yelled for everyone to "lean forward" giving the impression of an already packed elevator. I didn't know what Dave was going to think of this goofing off until I looked over at him, as he was leaning forward...the elevator was packed... If you try our system and it is not up at the moment, no doubt we are testing and diddling.

73 Scott, WB9WFA

146-25 IN

MILWAUKEE COUNTY REPEATER SOCIETY

146-85 OUT

NOVEMBER MEETING SCHEDULED The next meeting of the society is scheduled for Tuesday, November 15, 1977, to be located at Nino's, 3400 S. 108th (next to Doucas Oldsmobile). This meeting will also incorporate the club's annual Christmas party. All members and their guests are invited to attend. The club will provide FREE BEER and other assorted snacks.

NO DECEMBER MEETING All members are reminded that the club does not hold a scheduled meeting during the month of December due to the many holidays during that week.

AUTO-PATCH UPDATE To clarify what was reported in the August "HAMATEUR" the auto-patch is normally available for members use on a 24-hour-a-day, 7-day-a-week basis. The only time auto-patch use is restricted is if there is any misuse of the system, at which time one of the control stations is forced to shut it off. We pride ourselves on having a well monitored system and are sure all members will do their part in helping to keep it that way.

WR9ABS MAILING ADDRESS Any correspondence to the club or payment of dues (dues for the coming year are payable by January 31, 1978, and are currently \$12.00) should be addressed to: MI.CO.R.S., P.O. Box 18443, Milwaukee, WI 53218

MEMBERS RECEIVE HANDBOOKS All current WR9ABS members should now have a copy of the handbook in their possession. Please check your copy for any possible errors and report these via the club's post office box no later than November 30, 1977. It is being planned that throughout the year the club will send out updated versions.

73's Bill, WB9EFP

146-31 IN

MILWAUKEE REPEATER CLUB

146-91 OUT

MEETING The next meeting is Thursday, November 10, 1977, at 8:00 P.M. Come at 7:30 when the bar opens or earlier for dinner.

REPEATER LICENSE The FCC repeater rule changes shot down the renewal of our WR9ABM call. We have now applied for a club call to maintain continuity of identification even if the trustee changes. In the interim, the repeater will be identified as WA9RYO/RPT, reflecting the trustee's call.

AUTOPATCH An experimental autopatch system was announced at the September meeting. The equipment, made by Reach Electronics of Lexington, Nebraska, is normally used in the commercial service. It is basically a VOX operated simplex system—when either party is talking the other party can't interrupt. Operation is similar to a low band phone patch except the mobile can initiate the patch automatically. The system has allowed mobiles to make patches from anywhere in the 31/91 coverage area into Milwaukee Metro Plan telephone exchanges. The equipment is on loan. No permanent autopatch has been planned yet.

TALK TIME When the Autopatch was announced, several groans were heard. It seems many hams feel our repeater is busy enough without adding Autopatch traffic. While this may be so, it points out that our users are concerned about excessive on-the-air time. Maybe it is time we looked at how much air time each of us can expect. The Milwaukee Repeater Club has 200 members. If the repeater operated "key down" for 24 hours a day, each member would have 7 minutes to talk. In reality, the system operates for 12 hours a day, giving each member 3½ minutes to say his or her thing. It doesn't matter if it is day or night, if you talk too much, you're taking away somebody's air time. So what to do? (1) Don't ragchew (2) Move off to simplex (3) QSY to a lesser used repeater that you support (4) Say it with flowers (5) Use 31/91 for long hauls.

Al, WA9RYO

Summer is slowly drifting away and fall is fast approaching. It's time now to get those last minute antennas up and prepare for the "wintering-over" season in ham radio. Most hams will admit that they spend more time on-the-air now than during the balmy months. Repeater meetings also draw better crowds as did our last 31/91 meeting at Nino's. Although a teaching commitment in Chicago kept me from meeting a lot of new faces, Al, WA9RYO, did a splendid job of running the meeting. A totally new board of officers is anticipated for 1978 and solicitations are now in progress.

The recipients of my earlier article concerning repeater monopolization have apparently taken serious offense and those individuals have found it necessary to take out their frustrations on people who were not even involved in the article which I solely wrote. My apologies to those who took offense. However, I call your attention to a few of my responsibilities as president of this repeater club: (1) We are the largest repeater in Wisconsin with a user count of well over 300...this means heavy usage...12 to 14 hours per day. (2) It is my sole responsibility to maintain a voice for the majority of the populus, not that of a few individuals. The content of this column is the sole responsibility of the president and his reporter—not those who edit and publish the Hamateur. In the case of MRC, I'm one in the same person. If you disagree with its content, your case is against me alone and nobody else!

I often times find that this repeater "hobby" becomes a repeater "business" and the hobby aspect fades away. We're like 300 people living in the same house. Squabbles are bound to arise, but each of us should be professional enough to cope with these. Some are, some aren't. I'm far from perfect and can only successfully run the club with everyone's cooperation. Let's work at it!

Larry Kaja, WA9RWO

In September we mailed out the new rosters. A few errors seemed to have crept in, in spite of careful cross checking. First, our slender Karin (the beautiful voice I.D. of WR9ABM) spells her name with an "i". Please correct your front cover. W9PNA should read WØPNA. WA9TOP Howard Kaufman and WB9WKJ Randy Schultz now live at 2948 N. Murray St., Milwaukee, Wis. 53211, phone 963-9172. Paul Hellenberg's call is K9LWT—not WB9YDS. WB9IYA Mike Mikecz now lives at S44-W25420 Red Oak Dr., Waukesha, 53186. K9YAF Ken Edwards phone is 422-0649. WD9ANZ Pam Weiss is not listed in the front. She is Marlin's, WD9AXH, wife. Add: WA9JOV Ray Weeks, 4018 N. Morris Blvd., Shorewood, 53211; K9AFQ Harold Jasicki, 6531 W. Forest Home Ave., Greenfield, 53220; WD9BCP, Glen Roth, 3502 S. 49th St., Greenfield, 53220; WA9CAT Roger Flemming, 1740 W. Lawn Ave., Milwaukee, 53209; WD9AYE William Siefert, W207-S8312 Hillendale Dr., Muskego, 53150; WB9TCX Jim Goodman, P.O. 272, Rochester, 53167; W9ZO Pat Mallory, 3603 N. 56th St., Milwaukee; and K9KR, Lynn Tomblin, RT 1, Box 948, East River Bay Dr., Waterford, 53185.

73's Nels, WA9JOB

THE WISCONSIN CHAPTER  
QUARTER CENTURY WIRELESS ASSOCIATION, INC.

On Saturday, October 1, 1977, 146.52 MHz was alive with chatter as many QCWA members, wives and guests converged on Gresham, Wis., and the Woodland Restaurant. Two meter repeaters enroute from all directions were also busy with QCWA member conversations and travel progress reports. After the happy hour during which imbibing mixed with dues paying, 111 members, XYL's and guests sat down to eat after filling their plates at the salad bar, plus roast beef and roast chicken and other goodies such as lemon meringue pie.

After lunch, the fall business meeting was held. A few moments of silence were requested by Chairman Gerry Van den Wymelenberg in memory of our departed members, Lloyd Lewis, W9FMF, Harry Frederick, W8QGQ, and Anton "Tony" Rank, W9EAU. Tony passed on September 9, 1977. I have since learned that Melvin Richardson, W9CZZ, is a Silent Key. Chairman Gerry read a report of the Auditor, Wes Correll, W9FY, which indicated that the Treasurer's books were in order.

The nominating committee consisting of W9FZC, W9HNX, and W9NZF submitted the names of nine candidates for Director to succeed W9VOW, W9EWC and W9IZO. W9EQ, K9YHO, W9QFL, K9AQ, W9JK, W9NA, W9GIT, W9IEM and W9VLB were those individuals. The results were as follows: W9NA, W9JK were elected and W9QFL and W9IEM tied. W9IEM withdrew in favor of W9QFL. The Board of Directors elected Gordon Fedder, W9YFW, Chairman; George Ruger, W9DVD, Vice Chairman; Travis Baird, W9VQD, Secretary/Treasurer.

Outgoing Board members, W9VOW, W9EWC and W9IZO were thanked for their services to our group. Tom Gettelman, W9IZO, asked if the group wanted another beer party at Miller in April. The answer was obviously "yes". Our spring meeting next June is to be held in Green Bay at the Downtowner.

73 Travis, W9VQD

#### 6-MIC

#### SIX METER INTEREST CLUB

#### 6-MIC

Next meeting: November 9, Wednesday, 7:00 P.M., Forest Home Library  
Good news! Jimmy, WA9HUX, has now received his 6M W.A.S. certificate #171. Number two for Wisconsin this year! Several other Wisconsin 6M stations are very close. WA9KVS and WB9OPD have each worked 49 states. The local 6M contingent is an active group. WA9HUX recently picked up his general ticket. Look for him on the DC bands as well as on 6M. WB9OPD has been awarded A.R.R.L. "600 Club" certificate #74. WB9JWT and WB9SJQ have put up new towers and antenna systems. To say that their signals have improved is an understatement!

Band conditions for September were surprisingly good. "Ground wave" was generally good, as expected. Scatter paths to the East and Gulf Coast were somewhat better than usual. There were several moderately good Aurora occurrences about mid month. Sporadic E openings to the southern states occurred several times during the month. The 28 G Hz solar flux has been reported as running well above predicted levels, a very good sign of what might be a better than predicted sun spot cycle.

Words to the wise. 6M is 4 M Hz wide. Do your transmitter testing well away from the national calling frequency. This also applies to those who are only after local QSOs. Give the skip and scatter freaks a chance to do their thing.

Plans for the 6 MIC code and theory class are coming along. Start up time will probably be in January. There are two classes currently in session run by other local ham clubs. They should be finishing just about the time we are starting. The availability of novice training over an extended period, such as this, is good for the prospective hams in the area. Perhaps a coordinated effort by the clubs involved could enhance the effect. Food for thought. Our classes will be held at the Heathkit Center and the announcement will be posted in their window soon.

73 Bob, WB9OPD

#### M . R . A . C

#### MILWAUKEE RADIO AMATEURS' CLUB

#### M . R . A . C

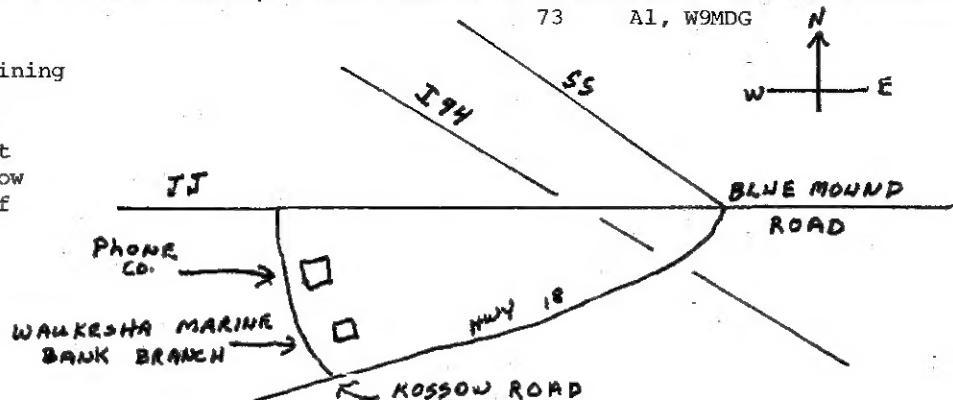
A special meeting of the Milwaukee Radio Amateurs' Club will be held Thursday, November 17, 1977, at 7:30 P.M. in place of our regularly scheduled November meeting. This meeting will be at the Wisconsin Telephone Technical Training Center, 2400 Kossow Road, Waukesha. The training center is located just west of the Holiday Inn between Highways 18 and JJ. Parking is available at the rear of the building. Enter from Kossow Road. (See sketch) The speaker will be Frank Seboth, W9NLY, to talk on the Wisconsin Telephone Company's CAROT program. This is a method of testing inter-office trunks from a remote location.

Final reminder: Old Timers Nite, Wednesday, December 14, 1977, at the Pabst Brewing Co., 9th and Highland from 7:30 to 10:45 P.M. Everyone is welcome. Parking available.

If you did not attend the September meeting you missed a unique discussion of the Amsat program by Sparky Barr, W9KJU, from Lake Geneva. As a retired science teacher, he had a wealth of information. He still retains his curiosity about things in space.

73 Al, W9MDG

Wisconsin Telephone Company Technical Training Center is at 2400 Kossow Road, Waukesha. To get there go west on Bluemound Road to Goerke Corners. Then southwest on 18 past Waukesha Marine Bank. Turn north on Kossow Road to Phone Co. Use parking lot back of building.



MEETING: Wednesday, December 7, 7:30 P.M. at the Waukesha City Hall, Waukesha, Wis.

The October meeting proved interesting in both the business aspects and the Oscar program.

There will be a dues decrease for the 1978 membership. Dues for 1978 will only be ten dollars until January 31. After January 31, there will be a five dollar initiation fee plus dues which will be prorated at one dollar a month for the remaining number of months in the year. Any members interested in paying up next year's dues early should contact WA9WYF.

The repeater can only be brought up using tone access after 10:30 P.M. The repeater can be brought up by pressing the star (\*) on the touch tone pad. This is done because occassionally when conditions are good for propagation, our repeater is unintentionally keyed up by distant stations using similar systems. Control operators may not be available in late evening or early morning hours to switch the machine over to tone access if the condition suddenly occurred.

The video tape *Oscar and the Ham* was the evening's program. Though it was a bit basic and a little hammed up, it proved to be interesting and educational.

Yours truly was appointed public relations director of SEWARS. Election of officers for the next year will be held at the December meeting. Give careful consideration for those you want as officers for next year and then come and vote. We have about 85 members and urge all of you to attend this important meeting.

Brian, WB9RZL

## **Technical Topics**

## MORE MODS FOR THE HR-2

A few months back I presented some of my own modifications to make the widely-used Regency HR-2 series radio a more versatile piece of 2-meter gear. Included were an audio and keying accessory jack, carrier operated relay and signal indicator. This month we'll look at a couple of S-meter, or signal strength, circuits. Neither one has been tested by me so you're on your own here. However, they do come from what might be called "reliable sources".

Both circuits need a signal (sig.) from the HR-2 itself, which is proportional in strength to the received signal. Here's where it appears in various HR radios:      HR-2      :      Pin 6, IC101

HR-2	Pin 6, IC101
HR-2A	Pin 4, IC102
HR-2B	"
etc.	"

Circuit 1 is from K9JEK via WB9FTA and in this one R3 should be chosen to give full scale meter deflection on the strongest local signal. The value given is approximate.

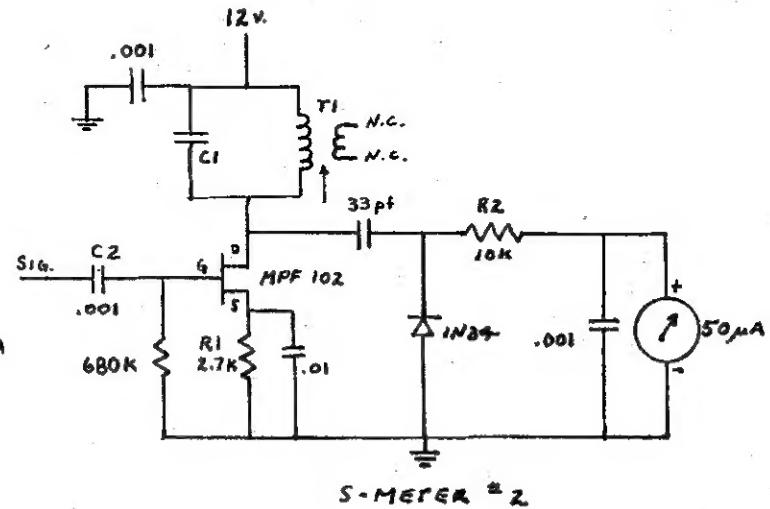
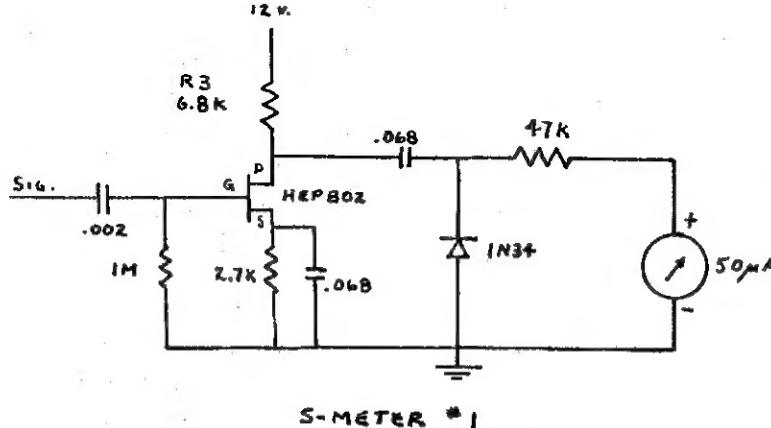
Circuit 2 is from W9DUU via Joel, K9MLD. In this one, T1 is any 455 KHz. IF transformer and C1 is chosen to resonate T1. Experimentation is in order here since C1 may differ in value depending on the exact transformer chosen. No starting values for C1 were included in the copy of the circuit given to me. If the meter reads too high on noise, reduce the value of C2. If the circuit has a tendency to oscillate as T1 is tuned, increase R1 until stability is achieved. The value of R2 determines the meter sensitivity.

The circuits are quite similar in that they use a field-effect transistor for high input impedance, thus not adversely affecting the HR-2. In one case the load voltage appears across a tuned circuit and in the other across a resistor. The transistor used is not critical and any equivalent replacement FET can be used.

If you have success with either of these circuits be sure to let me know. And, by the way, if you would like to see any particular circuits designed, described or explained in this column, pass along your ideas on the air or in the mail. 73 Steve, WA9VNJ

For more information about the project, visit [www.earthobservatory.nasa.gov](http://www.earthobservatory.nasa.gov).

73 Steve, WA9VNJ



## Classified Ads

Until further notice, non-commercial ads will be accepted and published FREE for ALL Hamateur readers. Ads will be automatically published for two (2) consecutive issues, unless you request otherwise. If you wish to rerun or cancel an ad, please advise before the closing date of the next issue.

To insure the maximum success of "FOR SALE" ads, all items must include the asking price. Unless otherwise noted, phone listings are local Milwaukee numbers. CLOSING DATE for ads is the 2nd of the publication month. Direct AD COPY to: Don Habeck W9AMM, 5973 Sugarbush Lane, Greendale, WI 53129

**FOR SALE:** Hustler Resonators for 20, 40 & 75 meters (Models RM-20, RM-40 & RM-75) with fold-over mast for deck or fender mounting; \$30. Contact Tom, W9SRA 425-6186

**FOR SALE:** QST-Aug '68 thru Apr '74; Ham Radio-July '69 thru Oct '75; 73-Mar '69 thru Aug '72; CQ-Apr '68 thru Dec '75. 25¢ per copy (you pick up or pay shipping) Contact Glenn Eisenbrandt, WA9VYL, 711 East St., Fort Atkinson, WI 53538 563-6502

**FOR SALE:** Hy Gain 3-ele 10 meter beam; \$15. Hy Gain 3-ele 6 meter beam; \$8. Cushcraft 7-elē 2 meter beam; \$10. Squalo 6-mtr; \$3. Whip, 6-mtr; \$3. Hy Gain Balun; \$5. Roof mount tripod; \$3. Heath Sixer w/mike; \$19. Ameco Converter 6-mtr w/pwr sply; \$20. RME Pre-selector, 10-80 mtrs; \$19. Senco Transistor & Diode checker; \$4. Hallicrafter R-48 speaker; \$10. Bug key; \$10. For collectors: dble button mike, mounted in ring; \$20. Tubes...852, RK20, 100H, T55 etc. Books...QST, CQ, etc; 20¢ ea Contact Ray Ploetz, W9NFK, 14735 Marcella La., Brookfield, WI 53005

**FOR SALE:** Heath SB-104 w/pwr supply; \$600 complete. Millen Transmatch Jr.; \$75. Various mikes & accessories; make offer. Call Rod, WB9AZH 544-9647

**FOR SALE:** Drake MN-4 Matching Network, mint condx; \$65. Touch tone pad in aluminum enclosure; \$12. Motorola "turkey roaster" smtr & rcvr, 94 simplex, rcvr has all new tubes in front end, schematics: \$20. Contact Richard Schoessow, WB9HSW, 519 N. 106 St. Wauwatosa, WI 53226 453-1294

**FOR SALE:** Regency HR-2A that has been interfaced with a factory wired GLB 400C synthesizer. The 2A is also equiped with 5 sets of crystals: 94 & 52 simplex and 31/91 25/85 & 16/76 repeater pairs & a 70 db filter. The above is set in and on the side of a Port-a-pac carrying case. Included is a motor cycle battery and charger. Asking \$325. Contact Larry McCalvy, WA9JMO, 464-7449

**FOR SALE:** Regency HR-2MS 2-mtr 15 watt xcvr, scans 8 channels, w/11 xtals including 31/91 & Milw Police complete w/mike & 12-volt pwr cord, ideal mobile rig; \$140. (will deliver to Milw area) Tubes: (1) 4-250A (new) \$20. (4) 811's; \$3 ea. (1) 809; \$1. Peterson Radio, 4-channel monitor receiver, 50 mhz & VHF, complete with both cords for either 110 vac or 12 vdc operation; \$45. Contact John La Blonde, W9FZC, 404 Berwyn Dr., Madison, WI 53711 (608) 238-6507 weekends

**FOR SALE:** Yaesu 401B with speaker/phone patch, cw filter, Shure 444; \$575 (sell complete only) Kenwood TR-2200A w/9 channels xtal'd, whip & rubber ducky, wall charger, external dc cord; \$185. Hy Gain 10-80 meter doublet, never used; \$50. CES Tone Pad, acoustic/direct Model 200V; \$40. Contact Mike Craig, WD9AXL, 6076 LacLaBelle Dr. Oconomowoc, WI 53066 567-0606

**FOR SALE:** Hy-Gain Hy-Tower, 18HT; \$100. You pick up. Contact Dan, W9ANC, 1013 Gray St., Green Bay, WI 54303 (414) 435-3042

**FOR SALE:** Hy-Gain Vertical 18AVT/WB-A 10-80 mtr antenna, cw or voice, 2-kw pep, w/manual, excellent condx; \$50. Contact WB9TXA, Jerry Komassa, 282-0080

**SWAP:** Mini Products Hybrid Quad, 20-15-10-6, up & operating for low band ssb exciter or what have you? Also have several low & high voltage pwr supplies that could be included with swap. Contact Stan, WB9RQR, 272-6966

**WANTED:** HT-220. Contact Marlin, WD9AXH at 354-1650

**TRADE:** Bunch of gear (all in good shape) to trade for old revolvers & pistols: (1) Twin 11-ele Cushcraft 2M beams mounted on mast wired & ready to go (2) Drake ML-2, 2M xceiver recently aligned at AES (3) Kris scanner w/xtals (4) Regency AR-2, 2M amp (5) Regulated 4 amp pow sup (6) Heath HM-2102 Watt meter (not working) Contact Dick Robbins, WB9AIS 241-9616

**FOR SALE:** Bogen CHS-20 transistorized p.a. amp, 20 watts, 40 watts peak, hi/lo mike input, 120 vac/12 vdc; \$40. Collins mechanical filter F455Y3.1 452, 455 KHz 3.1 kc @ 6 db points, part of 2.25 Mhz ssb subchassis from sideband package; \$25. GE progress line mobile unit 25-54 mhz w/access; \$35. Contact Lynn Tamblyn, K9KR, 28812 E. River Bay Dr. Waterford, WI 53185 (414) 895-6574

**FOR SALE:** Hardware 95% complete vhf 2-mtr duplexer from ARRL repeater handbook. Contact Joel Eschmann, K9MLD, 132 Ohio St., Racine, WI 53405 (414) 632-1221

**WANTED:** Tower (50-60 ft) and 3-band beam. Contact Dieter, DJ7BU/W9 Wauwatosa 476-2908

**WANTED:** VFO for use with Novice transmitter. Call collect 1-633-5496 Racine. Dick McRoberts, WB9ZIP

**WANTED:** Edison Jr. High Radio Club is soliciting donations of any ham equipment or related supplies. If you have anything you think the kids could use, call Ray, WB9ZIQ, 384-4040 (after 5 PM) Donations are tax deductable.

**FOR SALE:** Drake TR-4 w/noise blanker, mike, MC-4 wattmeter console w/speaker, DC-4 mobile pwr supply & AC supply. Excellent condx. Contact K9YPW, Rte 2, Seymour, WI 54165 (414) 833-2068

**FREE BUMPER STICKERS:** "Monitoring Ham Radio, Milwaukee Repeater Club" Available by sending a SASE (business size) to Bob Draeger, WA9KNH, N69 W23806 Sari Ct., Sussex, WI 53089

**WANTED:** Drake KW lo-pass filter. Contact Larry, WA9RWO 547-1911

**FOR SALE:** Dentron 160-10AT, Super tuner \$85.00. Heath HD-10 Keyer \$25.00. Contact Paul Hellenberg, K9LWT, Racine 554-9170

# MUSCULAR DISTROPHY TELETHON VIA AMATEUR RADIO

The MD Telethon, Amateur radio style, kicked off at 8:00 P.M. Sunday evening outside the M & M Building at State Fair Park, Milwaukee, by George, W9BGL, and daughter followed closely by Gregg, WD9DHI's arrival. About 9:30, Larry, WA9RWO, drove up with our poster announcing AMATEUR RADIO WORKING FOR THE MUSCULAR DISTROPHY TELETHON, donated by Bob Draeger, WA9KNH. Shortly before midnight, W9BGL arranged for our group to move indoors along the entrance way behind the overhead TV camera. Other arrivals included John, WD9AKE; Jim, WB9OJE; Don, W9AMM; and Larry, WA9JMO. W9AMM was busily taking pictures hoping to get one of the TV personalities over to our table but had no luck at that time.

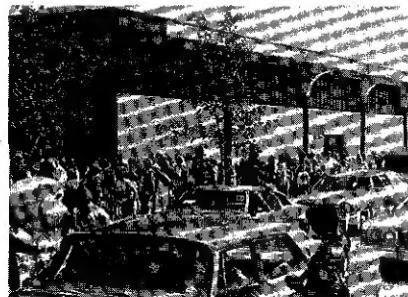
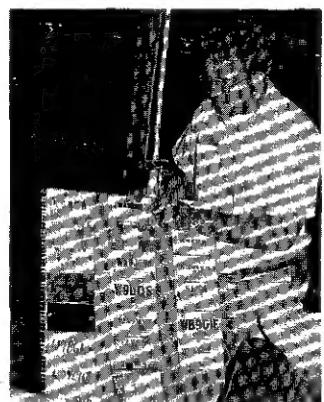
Things went rather slowly for us after that until about 8:00 A.M. Monday (Labor Day). When refreshed after their morning coffee, people started pouring into the small lobby in front of the stage area, giving what they could and hoping for a close-up look of our local celebrities. One of the things that moved me the most was observing the people while I stood at the "fish bowl" outside where people drove by depositing their donations and seeing small children emptying their homemade collection cannisters full of money solicited in a house-to-house trek.

There were never-ending lines all morning and afternoon, two of automobiles and one of pedestrians, all with one objective in mind—to contribute their effort to a most worthwhile cause—to end the crippling disease of our young...Muscular Dystrophy.

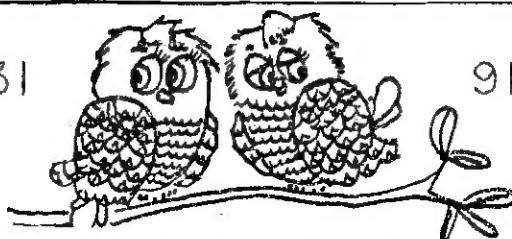
Many hams dropped by as the day wore on making their contributions...Fred, W9NZF, with a penny collection he and his grandson had maintained over the year; Marty, WB9MAT's XYL and two harmonics, Bob, WB9NNJ, Joanie, WD9ANV, and OM Larry, WD9ANW; plus the many more I missed while off elsewhere or those who do not come to mind at this writing.

We closed down at 5:30 P.M. anticipating plans for next year's telethon, leaving with a warm glowing feeling inside for our efforts to such a worthwhile cause and the knowledge we helped raise just over three hundred dollars. To all of you my heart-filled thanks.

73's Larry McCalvy, WA9JMO



31



91

Welcome to Midnight Madness. We are the night owls who stay up when sensible people go to bed. Perhaps you have heard us or heard of us and would like to know why we stay up so late.

I would like to take this opportunity to tell you all about us. We are a very informal group of people who, in keeping with the traditions of Amateur Radio, get together during the late night hours when the traffic

is light and the repeater would otherwise be silent. Our primary purpose is a very serious one and one we feel is sometimes overlooked. It is very simply stated, we stand by to handle emergency traffic. Just think, if you were in an emergency situation at some late night hour, doesn't it feel good to know that someone is awake and standing by to help if necessary?

Our secondary purpose is to keep each other company with a good old fashioned rag chew and to get high on good fellowship. Furthermore, we feel that these have been the two main purposes of Ham Radio ever since it started. We would like you to join us! We sometimes have as many as fifteen people in a QSO. That gets complicated, but it sure is fun. If you have any comments to add, we would like to hear from you. No, we don't want you to call us up on the phone and whisper it furtively in our ears. We want you to tune to 31/91 and say it in front of the whole world.

Larry Bunge, WB9RGN

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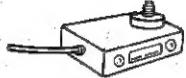
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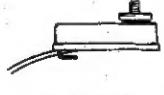
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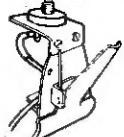
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NOV. 15...25/85's annual  
Chrisstmas Party  
DEC. 14...MARC's Old Timer  
DEC. 22...Amateur exams given  
in Milwaukee  
Nite

## Upcoming Events

60/00.....Unknown  
22/82.....Unknown  
QCWA.....June 3.....Saturday  
93/33.....Dec. 7.....Wednesday  
MRC.....Nov. 17.....Thursday  
25/85.....Nov. 15.....Tuesday  
CQ3TE.....Nov. 14.....Monday  
Raceine.....Nov. 13.....Sunday  
Tri-C County.....Nov. 10.....Wednesday  
31/91.....Nov. 9.....Wednesday  
6 MIC.....Nov. 9.....Wednesday  
Ozaukee.....Nov. 1.....Tuesday

## Meeting Notices

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Milwaukee, Wisconsin 53218

# The HAMATEUR

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